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09/28/01
1003 U.S. PTO

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UNITED STATES OF AMERICA

28 September 2001

INTELLECTUAL PROPERTY LAW

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¤ ADMITTED IN CONNECTICUT
* NOT ADMITTED IN D.C.

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith is the following patent application:

Inventor: 1) JONG-SEO CHOI
2) DONG-HEE HAN
3) SEUNG-KWON HAN
4) DONG-KYUN SEO
5) BU-CHUL SIN
6) HWAN-CHUL RHO

Title: CATHODE FOR ELECTRON TUBE AND METHOD OF
PREPARING THE CATHODE

Please find attached hereto an application for patent which includes: Specification and Abstract, Claims, original Declaration And Power of Attorney, Assignment, and a certified copy of the priority document identified below:

Verified Showing of Small Entity Status: **NO**

Drawings: Formal drawings, 7 sheets, Figures 1 through 12

Claim of priority under 35 U.S.C. §119: **YES**

** U.S. Provisional Application Serial No. 60/299,786 filed on 22 June 2001.

FEE (see formula below): CHECKS ARE ENCLOSED (#40383 and #40384)

Basic Fee \$355/710 **\$710.00**

Additional Fees:

Total number of claims in excess of 20: 14 times \$9/18 . **\$252.00**

Number of independent claims in excess of 3: times \$40/80

\$0.00

Multiple Dependent Claims \$135/270

\$0.00

An Assignment is likewise enclosed: Recording Fee \$40 ..

\$40.00

Filing Non-English specification

\$0.00

TOTAL FEES FOR THE ABOVE APPLICATION **\$1,002.00**

09/28/01
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- U.S. Postal Service*
- Via Local Courier*
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- Via Facsimile No. _____*
- Via E-Mail Attachment*
- Please Acknowledge Receipt*

Attorney Docket: P56533

09/28/01
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Assistant Commissioner for Patents
28 September 2001
Page Two

Docket No.: P56533

Inventor: 1) JONG-SEO CHOI
2) DONG-HEE HAN
3) SEUNG-KWON HAN
4) DONG-KYUN SEO
5) BU-CHUL SIN
6) HWAN-CHUL RHO

Title: **CATHODE FOR ELECTRON TUBE AND METHOD OF
PREPARING THE CATHODE**

Assistant Commissioner is authorized to charge our Deposit Account No. 02-4943 for any additional charges necessary towards payment of the filing fee for the above-referenced application. Please notify the undersigned attorney of any transaction regarding our Deposit Account.

In view of the above, it is requested that this application be accorded a filing date pursuant to 37 CFR 1.53(b).

Please address all correspondence to:

Robert E. Bushnell
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Respectfully submitted,



Robert E. Bushnell
(Registration No. 27,774)
Payor No.: 008-439
Attorney for the Applicant
1522 K Street, N.W.
Suite 300
Washington, D.C. 20005

Telephone: (202) 408-9040
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REB/sb



FEE TRANSMITTAL

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$1,002.00)

Complete If Known	
Application Number	To be assigned
Filing Date	28 September 2001
First Named Inventor	JONG-SEO CHOI et al.
Examiner Name	To be assigned
Group/Art Unit	To be assigned

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to

FEES CALCULATION (continued)

Deposit Account Number: 02-4943

Deposit Account Number: _____

Charge Any Additional Fee Required Under 37 CFR § 1.16 and 1.17.

Applicant claims small entity status See 37 CFR 1.27

2. **Payment Enclosed:**
(CHECK #40383 & #40384)

Check Credit Card Money Order Other

FEES CALCULATION

1. **BASIC FILING FEE**

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
401	710	201	355	Utility filing fee	\$710.00
506	320	206	160	Design filing fee	\$
507	490	207	245	Plant filing fee	\$
508	710	208	355	Reissue filing fee	\$
514	150	214	75	Provisional filing fee	\$
SUBTOTAL (1)				(\$ 710.00)	

2. **EXTRA CLAIM FEES**

		Extra Claims	Fee from below	Fee Paid
Total claims	34	-20** =	14	x 18.00 = 252.00
Independent Claims	3	- 3** =	x	=

Multiple Dependent =

** or number previously paid, if greater, For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$ 252.00)

Large Entity	Small Entity	Fee Description	Fee Paid
105	130	205 65 Surcharge-late filing fee or oath	\$
127	50	227 25 Surcharge-late provisional filing fee or cover sheet	\$
139	130	139 130 Non-English specification	\$
147	2,520	147 2,520 For filing a request for reexamination	\$
112	920*	112 920* Requesting publication of SIR prior to Examiner action	\$
113	1,840 *	113 1,840* Requesting publication of SIR after Examiner action	\$
115	110	215 55 Extension for reply within first month	\$
116	390	216 195 Extension for reply within second month	\$
117	890	217 445 Extension for reply within third month	\$
118	1,390	218 695 Extension for reply within fourth month	\$
128	1,890	228 945 Extension for reply within fifth month	\$
119	310	219 155 Notice of Appeal	\$
120	310	220 155 Filing a brief in support of an appeal	\$
121	270	221 135 Request for oral hearing	\$
138	1,510	138 1,510 Petition to institute a public use proceeding	\$
140	110	240 55 Petition to revive - unavoidable	\$
141	1,240	241 620 Petition to revive - unintentional	\$
142	1,240	242 620 Utility issue fee (or reissue)	\$
143	440	243 220 Design issue fee	\$
144	600	244 300 Plant issue fee	\$
122	130	122 130 Petitions to the Commissioner	\$
123	50	123 50 Petitions related to provisional applications	\$
126	240	126 240 Submission of Information Disclosure Statement	\$
581	40	581 40 Recording each patent assignment per property (Times number of properties)	\$40.00
146	710	246 355 Filing a submission after final rejection (37 C.F.R. §1.129(a))	\$
149	710	249 355 For each additional invention to be examined (37 C.F.R. §1.129(b))	\$
Other Fee (specify) _____			
Other Fee (specify) _____			
** Reduced by Basic Filing Fee Paid			SUBTOTAL (3)
			\$40.00

SUBMITTED BY

Complete (if applicable)

Typed or Printed Name	Robert E. Bushnell, Esq.		Reg. Number	27,774
Signature		Date	28 September 2001	Deposit Account User ID

REB/sb

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JONG-SEO CHOI et al.

Serial No.: *to be assigned*

Examiner: *to be assigned*

Filed: 28 September 2001

Art Unit: *to be assigned*

For: CATHODE FOR ELECTRON TUBE AND METHOD OF PREPARING THE
CATHODE

TRANSMITTAL OF DECLARATION

Assistant Commissioner

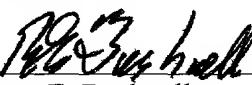
for Patents

Washington, D.C. 20231

Sir:

This transmittal accompanies the original Declaration for the above-referenced application.

Respectfully submitted,



Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

Suite 300, 1522 "K" Street, N.W.
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Folio: P56533
Date: 28 September 2001
I.D.: REB/sb